Appl. No. 10/649,124
Amdt. dated December 8, 2005
Reply to Office Action of September 22, 2005

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-10.   (Canceled).

1   11.   (New): A performance data management method for managing

2   performance data of a computer system which includes an information processing device and at

3   least one storage system which includes a controller and a storage area, comprising:

4   a step in which the information processing device stores performance data

5   acquisition information relating to items for which performance data is acquired and relating to

6   levels defining groups of the items;

7   a step in which the controller in the storage system reads the performance data

8   acquisition information from the information processing device;

9   a step in which the controller detects free space of the storage area in the storage

10 system;

11   a step in which the controller determines an initial operation policy for defining a

12 performance data storing scheme depending at least on the detected free space and the

13 performance data acquisition information;

14   a step in which the controller acquires the performance data in accordance with

15 the performance data acquisition information; and

16   a step in which the controller stores the acquired performance data in the storage

17 area according to the determined initial operation policy.

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1   12.   (New): The performance data management method according to claim 11,

2   further comprising:

3   a step in which the controller detects the free space of the storage area in the

4   storage system each time the acquired performance data is written to the storage area;

5   a step in which the controller determines a dynamic operation policy based at

6   least on the detected free space after writing the acquired performance data; and

7   a step in which the controller acquires and stores the performance data in

8   accordance with newly determined dynamic operation policy.

1   13.   (New): The performance data management method according to claim 12,

2   wherein the dynamic operation policy determines an interval of acquiring the performance data,

3   the item group level, and performance data writing scheme.

1   14.   (New): The performance data management method according to claim 11,

2   wherein the step in which the controller determines the initial operation policy includes:

3   a step in which the controller calculates a performance data capacity necessary for

4   storing the acquired performance data in the storage area;

5   a step conducted if the detected free space is larger than the calculated

6   performance data capacity, in which no initial operation policy is determined and the controller

7   stores the acquired performance data in the storage area;

8   a step conducted if the detected free space is equal to or smaller than the

9   calculated performance data capacity and the performance data acquisition information defines

10   an overwrite mode, in which the initial operation policy is set such that the controller overwrites

11   the acquired performance data on the performance data already stored in the storage area; and

12   a step conducted if the detected free space is equal to or smaller than the

13   calculated performance data capacity and the performance data acquisition information defines a

14   delete mode, in which the initial operation policy is set such that the controller deletes all

15   existing performance data in the storage area and then stores the acquired performance data in

16   the storage area.

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1   15.   (New): The performance data management method according to claim 13,

2   wherein the performance data acquisition interval becomes larger and the item group level

3   becomes smaller to acquire fewer item performance data as the detected free space after writing

4   the performance data becomes smaller.

1   16.   (New): A controller in a storage system connected to an information

2   processing device comprising:

3   a policy reading unit which reads a basic policy stored in the information

4   processing device, the basic policy defining data acquisition information on items of which

5   performance data is acquired and levels defining groups of the items;

6   a free space detecting unit which detects free space of a storage area in the storage

7   system;

8   a policy determining unit which determines an operation policy for defining a

9   performance data storing scheme based at least on the detected free space and the read basic

10   policy;

11   a performance data acquiring unit which acquires the performance data in

12   accordance with the read basic policy; and

13   a performance data storing unit which stores the acquired performance data in the

14   storage area according to the determined operation policy.

1   17.   (New): The controller according to claim 16, wherein the free space

2   detecting unit detects the free space of the storage area in the storage system each time after the

3   performance data storing unit stores the acquired performance data to the storage area; and the

4   policy determining unit changes the operation policy on an interval of acquiring the performance

5   data, the item group level, and the storage of the performance data in accordance with newly

6   detected free space.

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1   18.   (New): A program executable by a controller in a storage system

2 connected to an information processing device, the program including a method for acquiring

3 and storing performance data, said method comprising:

4   reading a basic policy stored in the information processing device, the basic

5 policy defining data acquisition information on items of which performance data is acquired and

6 levels defining groups of the items;

7   detecting free space of a storage area in the storage system;

8   determining an operation policy for defining a performance data storing scheme

9 depending at least on the detected free space and the basic policy;

10   acquiring the performance data in accordance with the basic policy; and

11   storing the acquired performance data in the storage area according to the

12 determined operation policy;

13   detecting free space of the storage area each time after writing the acquired

14 performance data to the storage area; and

15   changing the operation policy on an interval of acquiring the performance data,

16 the item group level, and performance data writing scheme in accordance with newly detected

17 free space.